Data Test Planning Checklist

You know that data must be reliable to be effective.

How can you know that each system that produces, processes, and analyzes data is working correctly and doesn't harm your business?

Detecting quality issues in enterprise data and data analytics systems is critically important, and teams may be unsure how to start. This uncertainty may cause them to delay or skip testing entirely, which is the worst thing that can happen to a project. While developing a testing solution to build value for your specific project can take a long time, it's absolutely worth
starting today.

Preparation for data testing is varied, but the most successful test environments have a testing vision, clearly defined procedure, and are testing proactively rather than reactively.

At higher levels, organizations embrace a data quality culture throughout the whole enterprise, including monitoring quality within the entire data lifecycle. It also includes quality assurance within development projects. These companies understand that the testing phase is as important as every other project phase.

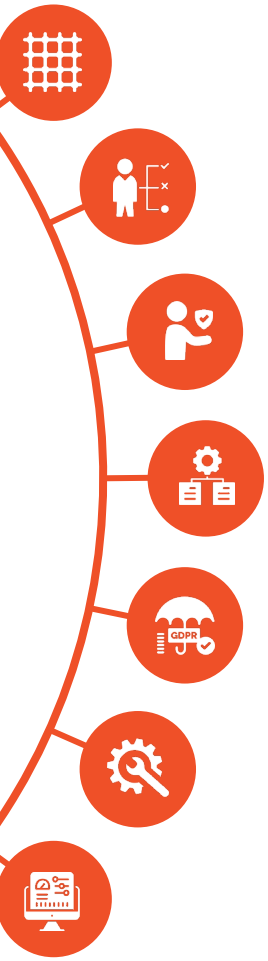
Fully automating the release cycle leads to short iterations and brings high business value to the end-users much more quickly. Such organizations recognize that data testing includes a defined strategy across business intelligence projects with a scalable, high-coverage, fully automated process for best results.



Who are we? We're BiG EVAL. We develop and sell the leading data quality software solution for enterprise customers. When data is the fuel for future growth, you get Swiss-made quality software with best practices, know-how and money-back guarantee to assure enterprise-wide data quality – for more profit and fewer risks.

Key Planning Questions for Data Testing

Effective data testing requires planning. If you're considering designing and managing data testing yourself, these questions and the following checklist will help you create a deployable plan.



What is your test objective?

What data type/s are you testing?

What type of test will you conduct?

Who are your stakeholders?

What teams need to be involved in testing?

What are the roles and responsibilities of individuals involved?

What are your deliverables?

How have you defined the scope of work for this test?

What risks may be involved in this test?

What tools are you going to use?

How will your test be tracked?

What is your documentation process?

What are the assumptions for this test?

What constraints are there for test execution?

What impact may testing have on the system?

How are errors reported?

Who is responsible for fixing errors?

How are error fixes prioritized?

What is your test environment?

What hardware will be used?

What software will be used?

What is your testing timeline?

What are the test phases or milestones?

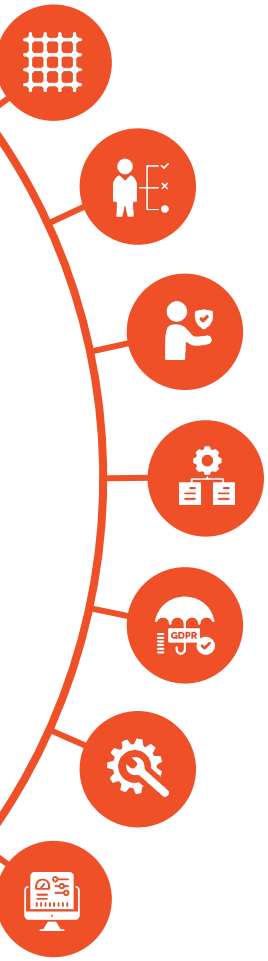
How will you document your testing process?

How will you know when testing is complete?

How will you report your results?

How do you track the success of error fixing?

Software Test Plan Checklist



Plan Test

- ❑ Identify stakeholders and team members
- ❑ Define the scope of the test
- ❑ Determine business requirements
- ❑ Create test timeline, schedule, and estimate
- ❑ Identify test deliverables
- ❑ Begin test documentation
- ❑ Identify features, applications, or components covered by the test case
- ❑ Describe assumptions and constraints
- ❑ Describe predicted outcome of test
- ❑ Describe test completeness standards
- ❑ Identify specific data values required for testing
- ❑ Conduct basic checks
  - ❑Schema check
  - ❑Data counts
  - ❑Table validation
- ❑ Identify and manage duplicate data

Design Test

- ❑ Define test objective
- ❑ Define what must be tested
- ❑ Create source-to-target map
- ❑ Define test levels for your test
- ❑ Define who will do the testing
- ❑ Identify testing solution (software, scripts, etc.)
- ❑ Create appropriate scripts
- ❑ Validate test documents against requirements
- ❑ Affirm test aligns with business needs

Execute Test

- ❑ Load data
- ❑ Identify bugs and defects
- ❑ Document bugs and defects
- ❑ Assign bugs and defects to a developer
- ❑ Fix the data or code
- ❑ Retest in an appropriate environment
- ❑ Affirm test is executed per business requirements
- ❑ Begin regression testing of data

Prepare Report

- ❑ Describe test conducted
- ❑ Describe bugs and defects discovered
- ❑ Document any fixes or updates made

Close Test

- ❑ Create production support documentation
- ❑ Describe results following each action taken during testing
- ❑ Document any errors discovered
- ❑ Provide final comments about testing process
- ❑ Attach any relevant documentation and files
- ❑ Indicate the test's success level
- ❑ Conduct project briefing

Reach out to us at BiG EVAL and learn how automated testing based on proven practices delivers great results and saves your team time and money. **https://bigeval.com**